

Anti-MSX2 Antibody

Rabbit polyclonal antibody to MSX2

Catalog # AP60964

Product Information

Application	WB, IHC
Primary Accession	P35548
Other Accession	Q03358
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28897

Additional Information

Gene ID	4488
Other Names	HOX8; Homeobox protein MSX-2; Homeobox protein Hox-8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MSX2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/100) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/100)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

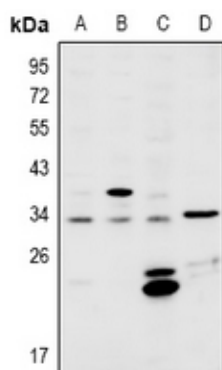
Protein Information

Name	MSX2
Synonyms	HOX8
Function	Acts as a transcriptional regulator in bone development. Represses the ALPL promoter activity and antagonizes the stimulatory effect of DLX5 on ALPL expression during osteoblast differentiation. Probable morphogenetic role. May play a role in limb-pattern formation. In osteoblasts, suppresses transcription driven by the osteocalcin FGF response element (OCFRE). Binds to the homeodomain-response element of the ALPL promoter.
Cellular Location	Nucleus.

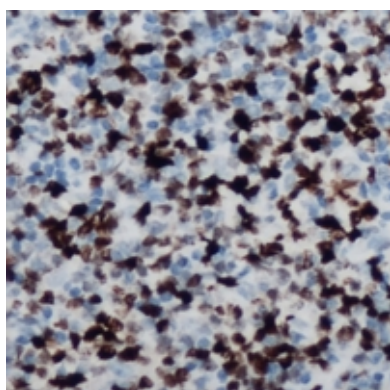
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MSX2. The exact sequence is proprietary.

Images



Western blot analysis of MSX2 expression in A549 (A), HEK293T (B), MEF (C), H9C2 (D) whole cell lysates.



Immunohistochemical analysis of MSX2 staining in human lymph node formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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